OIPE

RAW SEQUENCE LISTING   DATE: 06/21/2001
PATENT APPLICATION: US/09/735,712   TIME: 17:56:57

Input Set : A:\SEQLIST - LEX-0109-USA.txt
Output Set: N:\CRF3\06212001\I735712.raw

ENTERED

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  4 <110> APPLICANT: Walke, D. Wade
  5       Turner, C. Alexander Jr.
  7 <120> TITLE OF INVENTION: Novel Human Membrane Proteins and
  8       Polynucleotides Encoding the Same
 11 <130> FILE REFERENCE: LEX-0109-USA
C--> 13 <140> CURRENT APPLICATION NUMBER: US/09/735,712
C--> 13 <141> CURRENT FILING DATE: 2000-12-12
 13 <150> PRIOR APPLICATION NUMBER: US 60/171,567
 14 <151> PRIOR FILING DATE: 1999-12-22
 16 <160> NUMBER OF SEQ ID NOS: 9
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 603
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Homo sapien
 25 <400> SEQUENCE: 1
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 27 tcagaatatg agtccacaga actttcagcc acgacctttt caactcaaag ccccttgcaa   120
 28 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctgtt tggaattatg   180
 29 accttttctt ttggagttat cttccttttc accttgttaa aaccatatcc aaggtttccc   240
 30 tttatatttc tttcaggata tccattctgg ggctctgttt tgttcattaa ttctggagcc   300
 31 ttcctaattg cagtgaaaag aaaaaccaca gaaactctga taatattgag ccgaataatg   360
 32 aatcttctta gtgccctgag agcaatagct ggaatcattc tcctcacatt tggtttcatc   420
 33 ctagatcaaa actacatttg tggttattct caccaaaata gtcagtgtaa ggctgttact   480
 34 gtcctgttct tgggaatttt gattacattg atgactttca gcattattga attattcatt   540
 35 tctctgcctt tctcaatttt ggggtgccac tcagaggatt gtgattgtga acaatgttgt   600
 36 tga                                                                 603
 38 <210> SEQ ID NO: 2
 39 <211> LENGTH: 199
 40 <212> TYPE: PRT
 41 <213> ORGANISM: Homo sapien
 43 <400> SEQUENCE: 2
 44 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
 45 1               5                  10                  15
 46 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
 47             20                  25                  30
 48 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
 49         35                  40                  45
 50 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
 51     50                  55                  60
 52 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
 53 65                  70                  75                  80
 54 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
 55                 85                  90                  95
 56 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
 57             100                 105                 110
 58 Leu Ile Ile Leu Ser Arg Ile Met Asn Leu Leu Ser Ala Leu Arg Ala
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          Input Set : A:\SEQLIST - LEX-0109-USA.txt
          Output Set: N:\CRF3\06212001\I735712.raw

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59          115                  120                  125
60 Ile Ala Gly Ile Ile Leu Leu Thr Phe Gly Phe Ile Leu Asp Gln Asn
61     130                  135                  140
62 Tyr Ile Cys Gly Tyr Ser His Gln Asn Ser Gln Cys Lys Ala Val Thr
63 145                  150                  155                  160
64 Val Leu Phe Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile
65                  165                  170                  175
66 Glu Leu Phe Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu
67              180                  185                  190
68 Asp Cys Asp Cys Glu Gln Cys
69          195
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 246
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapien
76 <400> SEQUENCE: 3
77 atgaatcttc ttagtgccct gagagcaata gctggaatca ttctcctcac atttggtttc      60
78 atcctagatc aaaactacat ttgtggttat tctcaccaaa atagtcagtg taaggctgtt     120
79 actgtcctgt tcttgggaat tttgattaca ttgatgactt tcagcattat tgaattattc     180
80 atttctctgc ctttctcaat tttggggtgc cactcagagg attgtgattg tgaacaatgt     240
81 tgttga                                                               246
83 <210> SEQ ID NO: 4
84 <211> LENGTH: 81
85 <212> TYPE: PRT
86 <213> ORGANISM: Homo sapien
88 <400> SEQUENCE: 4
89 Met Asn Leu Leu Ser Ala Leu Arg Ala Ile Ala Gly Ile Ile Leu Leu
90  1                5                  10                  15
91 Thr Phe Gly Phe Ile Leu Asp Gln Asn Tyr Ile Cys Gly Tyr Ser His
92              20                  25                  30
93 Gln Asn Ser Gln Cys Lys Ala Val Thr Val Leu Phe Leu Gly Ile Leu
94          35                  40                  45
95 Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe Ile Ser Leu Pro
96     50                  55                  60
97 Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp Cys Glu Gln Cys
98 65                  70                  75                  80
99 Cys
102 <210> SEQ ID NO: 5
103 <211> LENGTH: 417
104 <212> TYPE: DNA
105 <213> ORGANISM: Homo sapien
107 <400> SEQUENCE: 5
108 atggattcaa gcaccgcaca cagtccggtg tttctggtat ttcctccaga aatcactgct      60
109 tcagaatatg agtccacaga actttcagcc acgacctttt caactcaaag ccccttgcaa     120
110 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctgtt tggaattatg     180
111 accttttctt ttggagttat cttccttttc accttgttaa aaccatatcc aaggtttccc     240
112 tttatatttc tttcaggata tccattctgg ggctctgttt tgttcattaa ttctggagcc     300
113 ttcctaattg cagtgaaaag aaaaaccaca gaaactctga tcaaaactac atttgtggtt     360
114 attctcacca aaatagtcag tgtaaggctg ttactgtcct gttcttggga attttga       417
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Input Set : A:\SEQLIST - LEX-0109-USA.txt
Output Set: N:\CRF3\06212001\I735712.raw

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116 <210> SEQ ID NO: 6
117 <211> LENGTH: 138
118 <212> TYPE: PRT
119 <213> ORGANISM: Homo sapien
121 <400> SEQUENCE: 6
122 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
123 1               5                   10                  15
124 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
125             20                  25                  30
126 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
127         35                  40                  45
128 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
129     50                  55                  60
130 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
131 65                  70                  75                  80
132 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
133                 85                  90                  95
134 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
135             100                 105                 110
136 Leu Ile Lys Thr Thr Phe Val Val Ile Leu Thr Lys Ile Val Ser Val
137         115                 120                 125
138 Arg Leu Leu Leu Ser Cys Ser Trp Glu Phe
139     130                 135
141 <210> SEQ ID NO: 7
142 <211> LENGTH: 450
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapien
146 <400> SEQUENCE: 7
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148 tcagaatatg agtccacaga actttcagcc acgacctttt caactcaaag ccccttgcaa     120
149 aaattatttg ctagaaaaat gaaaatctta gggactatcc agatcctgtt tggaattatg     180
150 accttttctt ttggagttat cttccttttc accttgttaa aaccatatcc aaggtttccc     240
151 tttatatttc tttcaggata tccattctgg ggctctgttt tgttcattaa ttctggagcc     300
152 ttcctaattg cagtgaaaag aaaaaccaca gaaactctgg gattttgat  tacattgatg     360
153 actttcagca ttattgaatt attcatttct ctgcctttct caattttggg gtgccactca     420
154 gaggattgtg attgtgaaca atgttgttga                                      450
156 <210> SEQ ID NO: 8
157 <211> LENGTH: 149
158 <212> TYPE: PRT
159 <213> ORGANISM: Homo sapien
161 <400> SEQUENCE: 8
162 Met Asp Ser Ser Thr Ala His Ser Pro Val Phe Leu Val Phe Pro Pro
163 1               5                   10                  15
164 Glu Ile Thr Ala Ser Glu Tyr Glu Ser Thr Glu Leu Ser Ala Thr Thr
165             20                  25                  30
166 Phe Ser Thr Gln Ser Pro Leu Gln Lys Leu Phe Ala Arg Lys Met Lys
167         35                  40                  45
168 Ile Leu Gly Thr Ile Gln Ile Leu Phe Gly Ile Met Thr Phe Ser Phe
169     50                  55                  60
```

```
170 Gly Val Ile Phe Leu Phe Thr Leu Leu Lys Pro Tyr Pro Arg Phe Pro
171 65                70                 75                    80
172 Phe Ile Phe Leu Ser Gly Tyr Pro Phe Trp Gly Ser Val Leu Phe Ile
173                 85                 90                    95
174 Asn Ser Gly Ala Phe Leu Ile Ala Val Lys Arg Lys Thr Thr Glu Thr
175                100                105                110
176 Leu Gly Ile Leu Ile Thr Leu Met Thr Phe Ser Ile Ile Glu Leu Phe
177             115                120                125
178 Ile Ser Leu Pro Phe Ser Ile Leu Gly Cys His Ser Glu Asp Cys Asp
179     130                135                140
180 Cys Glu Gln Cys Cys
181 145
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 676
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapien
188 <400> SEQUENCE: 9
189 tcatctcctt tcaaattatc accgacacca tcatggattc aagcaccgca cacagtccgg      60
190 tgtttctggt atttcctcca gaaatcactg cttcagaata tgagtccaca gaactttcag     120
191 ccacgacctt ttcaactcaa agccccttgc aaaaattatt tgctagaaaa atgaaaatct     180
192 tagggactat ccagatcctg tttggaatta tgaccttttc ttttggagtt atcttccttt     240
193 tcaccttgtt aaaaccatat ccaaggtttc cctttatatt tctttcagga tatccattct     300
194 ggggctctgt tttgttcatt aattctggag ccttcctaat tgcagtgaaa agaaaaacca     360
195 cagaaactct gataatattg agccgaataa tgaatcttct tagtgccctg agagcaatag     420
196 ctggaatcat tctcctcaca tttggtttca tcctagatca aaactacatt tgtggttatt     480
197 ctcaccaaaa tagtcagtgt aaggctgtta ctgtcctgtt cttgggaatt ttgattacat     540
198 tgatgacttt cagcattatt gaattattca tttctctgcc tttctcaatt ttggggtgcc     600
199 actcagagga ttgtgattgt gaacaatgtt gttgactagc actgtgagaa taaagatgtg     660
200 ttaaaataaa aaaaaa                                                     676
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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/735,712

DATE: 06/21/2001
TIME: 17:56:58

Input Set : **A:\SEQLIST - LEX-0109-USA.txt**
Output Set: **N:\CRF3\06212001\I735712.raw**

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date